

IMPROVED COMPOSITIONS AND METHODS FOR
PRODUCING ANTIBODIES TO LOW MOLECULAR WEIGHT ANALYTES

ABSTRACT OF THE DISCLOSURE

5 Improved immunogenic compositions and methods
for producing antibodies to low molecular weight
analytes are presented. In one series of embodiments
particularly useful for production of antibodies having
specificity for metal ions, nonimmunogenic polymers
10 having natural metal ion-binding activity, typically
alginates, are used, after contact with metal ions, as
an immunogenic composition. In another series of
embodiments, immunogens are enmeshed in a crosslinked
protein network to create a potent immunogenic
15 composition. In the latter embodiments, gelatins of
cold-water fish prove surprisingly efficacious.